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 TI Manufacture of microporous CaSiO₃ and heat-insulating dust
 IN Wang, Cunxiao; Wang, Sheng; Wang, Baolong
 PA Peop. Rep. China
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 4 pp.
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 DT Patent
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 CC 58-6 (Cement, Concrete, and Related Building Materials)
 Section cross-reference(s): 57

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AB The CaSiO₃ is manufd. by mixing SiO₂ powder, **lime** paste, fiber reinforcing material, and water (1-3 times of the wt. of SiO₂), heating to 150-160.degree., gelatinizing, forming, hardening at 130-135.degree. and 0.7-0.8 MPa, cooling, and drying at 200.degree.. Preferably, the addn. of **lime** paste is 0.5-1.5 times of the wt. of SiO₂; and the fiber is asbestos with addn. of 4-5 times of the wt. of SiO₂. The heat-insulating dust is manufd. from microporous CaSiO₃ and auxiliary materials selected from perlite, expanded vermiculite, foamed plastic particles, C balls, etc., where the addn. of auxiliary material is 1-6 times of microporous CaSiO₃.
 ST microporous **calcium silicate** heat insulating dust; **silica lime** asbestos microporous **calcium silicate**; perlite vermiculite **calcium silicate** heat insulating dust; foamed plastic carbon heat